Product Data Sheet

Product Name: SIIVFEKL TFA
Cat. No.: GC74333

Chemical Properties

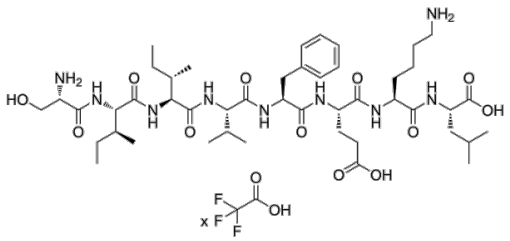
Cas. No.

Formula	$C_{46}H_{77}N_9O_{12}.xC_2HF_3O_2$	M.Wt	948.16 (free acid)
Solubility	H_2O : ≥ 2 mg/mL	Storage	Sealed storage, away from moisture

General tips: For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.

Shipping Condition: Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Product Data Sheet

SIIVFEKL TFA is a variant of the major MHC class I-restricted epitope SIINFEKL. SIIVFEKL TFA is an antigenic peptide, that can stimulate specific T cells in experimental settings to study the competitive interaction between T cells. SIIVFEKL TFA exhibits low affinity for the OT-I T cell receptor (TCR), and can be used for detection of CD8+ T cells.

References:

[1]. Petkau G, et al., Zfp36l1 establishes the high-affinity CD8 T-cell response by directly linking TCR affinity to cytokine sensing. Eur J Immunol. 2024 Feb;54(2):e2350700.

Caution: Product has not been fully validated for medical applications. For research use only.

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